

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S8	1448490	coax coaxial cable	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 09:27
S9	29328	"inner conductor" "internal conductor" "inside conductor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 09:10
S10	36428	"outer conductor" "external conductor" "surrounding conductor" "outside conductor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 09:29
S11	2137	"shunt conductor" "short conductor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 09:30
S12	856993	dielectric insulator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 09:31
S13	38	S8 and S9 and S10 and S11 and S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 09:31
S14	2	"6754060".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 08:50

## EAST Search History

S15	1	"10727076"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 10:04
S16	1	"60298439"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 10:36
S17	4770	S8 and (gas NEAR tube)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 10:38
S18	6073	"gas discharge tube"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 12:50
S19	57	"first conductor" and "second conductor" and S18	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 09:48
S20	9	"5764114"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 12:37
S21	7	"6101080"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 12:32

## EAST Search History

S22	7	"6101080"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 12:32
S23	9	"5764114"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 12:32
S24	8	"6236551"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 12:32
S25	11	"5982602"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 12:32
S26	6919	"gas discharge tube" GDT	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 12:51
S27	1495	S26 and conductor	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 12:53
S28	346	S26 same voltage same (protect protection)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 13:08

## EAST Search History

S29	59	S26 same voltage same (protect protection) same (plurality multiple many)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 13:16
S30	39	S26 same voltage same (protect protection) same shunt	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 13:16
S31	6	("4544984"   "5768084"   "5953195"   "6101080").PN. OR ("6754060").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/07 13:37
S32	14082	"gas discharge tube" "gas discharge tubes" GDT thyratron	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/07 13:38
S33	2908	("gas discharge tube" "gas discharge tubes" GDT thyratron) and shunt	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/07 13:38
S35	29328	"inner conductor" "internal conductor" "inside conductor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 15:02
S36	36428	"outer conductor" "external conductor" "surrounding conductor" "outside conductor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 15:02
S37	2137	"shunt conductor" "short conductor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 15:02
S38	856993	dielectric insulator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 15:02

## EAST Search History

S39	256	S35 same S36 same (S37 shunt) same S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/07 15:03
S40	1	("2004/0169986").URPN.	USPAT	OR	ON	2006/09/07 16:00
S41	5	("20040169986"   "5053910"   "5764114"   "6101080"   "6785110").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/07 16:01
S45	4	"6754060"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/11 08:51
S46	7407	"inner conductor"	USPAT	OR	ON	2006/09/11 12:37
S47	17	S46 same protector	USPAT	OR	ON	2006/09/11 12:37
S48	929113	protect\$5	USPAT	OR	ON	2006/09/11 12:37
S49	8251	S48 same coaxial\$4	USPAT	OR	ON	2006/09/11 12:38
S50	3099	S49 same (inner inter outer)	USPAT	OR	ON	2006/09/11 12:38
S51	1073	S50 same (line conductor)	USPAT	OR	ON	2006/09/11 12:38
S52	129	S51 same frequency	USPAT	OR	ON	2006/09/12 12:59
S53	25	S52 same (shunt\$3 short\$3)	USPAT	OR	ON	2006/09/11 15:59
S55	757	conductor same gas same discharge same tubes	USPAT	OR	ON	2006/09/11 16:15
S56	86	conductor same gas same discharge same tubes same (plurality multiple "more than one")	USPAT	OR	ON	2006/09/11 16:16
S57	930260	protect\$5	USPAT	OR	ON	2006/09/12 10:15
S58	8258	S57 same coaxial\$4	USPAT	OR	ON	2006/09/12 10:15
S59	3102	S58 same (inner inter outer)	USPAT	OR	ON	2006/09/12 10:15
S60	1076	S59 same (line conductor)	USPAT	OR	ON	2006/09/12 10:15
S61	930260	protect\$5	USPAT	OR	ON	2006/09/12 12:59
S62	8258	S61 same coaxial\$4	USPAT	OR	ON	2006/09/12 12:59
S63	3102	S62 same (inner inter outer)	USPAT	OR	ON	2006/09/12 12:59
S64	1076	S63 same (line conductor)	USPAT	OR	ON	2006/09/12 12:59
S65	9	S64 same (shunt\$3 short\$3) same insulator	USPAT	OR	ON	2006/09/12 13:00
S66	26	S64 same (shunt\$3 short\$3) same (insulator dielectric)	USPAT	OR	ON	2006/09/12 13:00

## EAST Search History

S67	6135	"gas discharge tubes" GDTs same (conductor electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/12 15:30
S68	1980	"gas discharge tubes" GDTs same (conductor electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/12 15:35
S69	520	("gas discharge tubes" GDTs) same (conductor electrode)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/12 15:35
S70	1	"10727076"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 08:43
S71	3041	insulator same frequency same (line conductor) same (inner inter outer)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 08:50
S72	73	insulator same frequency same (line conductor) same (inner inter outer) and regulate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:03
S73	5	"6529357"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/13 11:03

## EAST Search History

S74	21	("3320557"   "3750053"   "4187481"   "4262317"   "4359764"   "4554608"   "5060108"   "5278525"   "5329262"   "5953195"   "5982602"   "6236551"   "6294740"   "6452773"   "6529357"   "6636407"   "6636408"   "6688916"   "6721155"   "6785110").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:05
S75	10	("3289117"   "3323083"   "3663901"   "4046451"   "4359764"   "4525690"   "4554608"   "4985800").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/13 11:07
S76	7	("5982602").URPN.	USPAT	OR	ON	2006/09/13 12:36
S77	5	"4389624"	USPAT	OR	ON	2006/09/13 12:46
S78	1	"5982602".pn.	USPAT	OR	ON	2006/09/13 12:47
S79	28024	outer same inner same coaxial	USPAT	OR	ON	2006/09/13 15:15
S80	2357	S79 same dielectric	USPAT	OR	ON	2006/09/13 15:15
S81	585	S80 same frequency	USPAT	OR	ON	2006/09/13 15:15
S82	102	S81 same coupling	USPAT	OR	ON	2006/09/13 15:16
S83	11	S82 same (short shunt)	USPAT	OR	ON	2006/09/13 15:17
S84	6602	gas adj tubes	USPAT	OR	ON	2006/09/13 15:17
S85	881	S84 same discharge	USPAT	OR	ON	2006/09/13 15:16
S86	107	S85 same ground	USPAT	OR	ON	2006/09/13 15:16
S88	1462	gas adj tubes	USPAT	OR	OFF	2006/09/13 15:17
S89	142	S88 same discharge	USPAT	OR	OFF	2006/09/13 15:17
S90	17	S89 same ground	USPAT	OR	OFF	2006/09/13 16:40
S91	1	"4554608".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/14 07:45
S92	19188	gas adj tubes	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 07:49
S93	4456	S92 same discharge	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 07:50

## EAST Search History

S94	1145	S93 same (shunt short)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 07:50
S95	66	S94 same protective	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 08:29
S96	22965	"inner conductor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 08:30
S97	.0	S96 same xoaxial\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 08:30
S98	13531	S96 same coaxial\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 08:31
S99	13531	S98 same (line conductor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 08:31
S100	310	S99 same male	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 08:32

## EAST Search History

S10 1	401	S99 same (male female)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 08:33
S10 2	236	S99 same (male and female)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 08:35
S10 3	3477	S99 same (connector interface)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 08:35
S10 4	183	S103 same (male and female)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:16
S10 5	2	"5764114".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:17
S10 6	2	"6101080".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:18
S10 7	2	"6236551".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:21

## EAST Search History

S10 8	2	"5982602".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:21
S10 9	0	(S105 S106 S107 S108) and polarity	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:22
S11 0	1	(S105 S106 S107 S108) and insulator and pair	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 13:22
S11 1	1	(S105 S106 S107 S108) and insulator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 15:20
S11 2	1	"10727076"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 15:56
S11 3	1	S112 and second and insulator	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 15:56
S11 4	2	"4554608".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/04 11:07
S11 5	1	"4554608".pn.	USPAT	OR	ON	2006/12/05 08:40

## EAST Search History

S11 6	32723	"inner conductor" "outer conductor"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 09:10
S11 7	874461	insulator dielectric	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 09:10
S11 8	12669	S116 same S117	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 09:38
S11 9	11028	S116 same frequency	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 09:49
S12 0	2313	S118 and (insulator.ti. dielectric.ti.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 09:42
S12 1	739	S116 same pair same insulators	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 09:51
S12 2	234	S116 same pair with insulators	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 15:07

## EAST Search History

S12 3	2	"RFIC tube" "radio frequency impedance control" same tube	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 15:08
S12 4	3	"RFIC tube" "radio frequency impedance control"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 17:15
S12 5	277	"RFIC tube" "radio frequency impedance"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 17:16
S12 6	44	S125 same (coax coaxial)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 17:16
S12 7	23	S126 same (dielectric insulating insulator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/05 17:21
S12 8	2	"5982602".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 11:11